

PATENT

PROCESS AND INSTALLATION FOR MANUFACTURING A COMPOSITE
SHEET

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ABSTRACT

The invention relates to a process for manufacturing composite sheets, in which:

- a web of yarns, in the form of a mat of continuous yarns, a woven, a knit or an assembly of continuous non-interlaced yarns, is continuously deposited on a moving substrate, this web comprising at least one organic material and at least one reinforcing material;

- a powder of an organic material capable of forming a coating layer under the action of heat is deposited on at least one side of said web;
- the web coated with the powder is heated to a temperature sufficient to melt the powder;
- the web is compressed and cooled so as to form a composite strip; and
- the strip is cut in the form of sheets or wound up on a rotating support.

The subject of the invention is also an installation for implementing the process and the products obtained.

Figure 1.